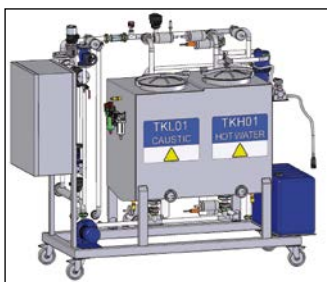




PROCLEAN

CIP CLEANING UNIT



Mobile CIP Unit mod. SMARTCIP.

WORKING PRINCIPLE:

The PROCLEAN CIP system offers cleaning processes which ensure trouble-free and microbiologically safe operation of a production line. Whether manually or fully automatic, the cleaning concept is designed to perfectly suit the line components to be cleaned. The CIP sizes and their flow rate cover all tasks required in a bottling line.

The number of CIP tanks can be varied depending on the number of media that are requested in the CIP recipes. The CIP tank volume is designed according to the size and volume of the machine/line to be cleaned to avoid that during cleaning the CIP tank will become empty.

APPLICATIONS:

Internal cleaning of filler,

rinsers, syrup room, mixer, flash pasteuriser, pipes and tanks for all Beverage or Food plants.

OUTPUT RANGE:

Various models are available from 1 to 4 tanks (volume from 1 to 4 m³) with CIP flow rate from 10.000 up to 30.000 lt/h.

PROCLEAN

www.matrix-srl.com

CIP CLEANING UNIT

DESIGN FEATURES:

- Stainless steel pipes, and Tanks made in AISI 304;
- Pumps, heat exchanger and control cabinet mounted on a skid;
- Temperature and conductivity measuring at the return pipe;
- All components mounted on a rigid, stainless-steel base plate;
- PLC controlled (in the version SA&A);
- Complete product recipe management;
- Frequency-controlled pumps;
- Easy & intuitive touch-screen operation (in the version SA&A).

MODELS:

PROCLEAN M

(Manual CIP System)

- All the valves are manually activated;
- Ideal for cleaning manual fillers and mixers;
- Each step is started by the operator and is monitored;
- Easy and safe operation thanks to well-arranged operating elements;
- Display of temperature and conductivity (as optional).

PROCLEAN SA

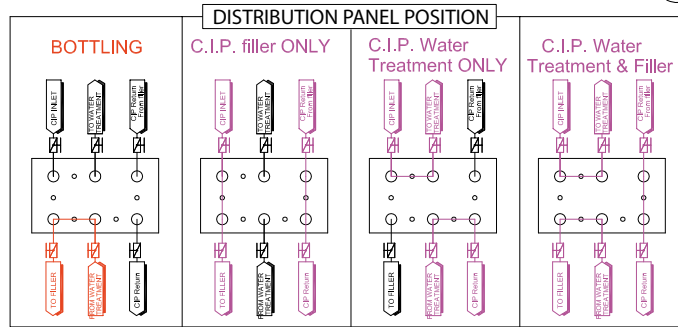
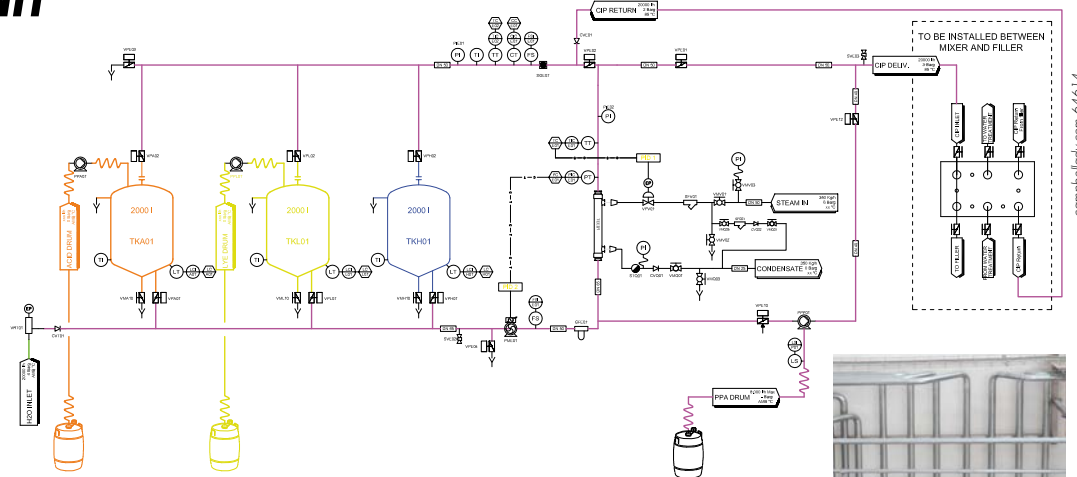
(Semi Automatic CIP System)

- All the valves are pneumatically activated;
- Ideal for cleaning manual or semiautomatic fillers and mixers;
- Each step is started by the operator and is monitored;
- Easy and safe operation thanks to well-arranged operating elements;
- Display of temperature and conductivity (as optional).

PROCLEAN A

(Automatic CIP System)

- All the valves are pneumatically



CIP Distribution Panel

activated;

- Ideal for cleaning AUTOMATIC fillers and mixers that are equipped with PLC and can be synchronized by full signal exchange protocol;
- Each step is started in automatic by signal exchange;
- Excellent cleaning result via controlling the cleaning processes according to conductivity (concentration);
- Minimised loss of media and waste water via automatic process;

- Display of temperature and conductivity.

USER BENEFITS:

- **Flexibility change** over of different product is done quickly, easily and it is reproducible by working recipes stored on PLC.
- **Easy maintenance.** The machine is well accessible so that all maintenance and service job can be done easily.
- **Potential for saving media,** operation, and time expenditure Consumption of media and

waste water is reduced to a minimum by means of automatic control according to the cleaning concentration (conductivity), temperature and time.

- **Operator Time Saving** by signal exchange to the machines to be cleaned. Also the tasks of the operating personnel and the duration of cleaning are significantly reduced.

ADDITIONAL EQUIPMENT:

MODEM. Upon request, remote maintenance possibility.

Model	CIP flow rate (lt/h)	Number of Tank	Volume of Tank (lt)	Cold Water to drainage	Hot Water recycle inside CIP Tank	Cold Acid recycle inside CIP Tank	Hot Caustic recycle inside CIP Tank	Cold Sterilizer recycle inside CIP Tank	In line dosing of Sterilizer (ie. Peracetic) no loop
PROCLEAN 1R1	10.000	1	1.000	•	•	-	-	-	optional
PROCLEAN 2R1	10.000	2	1.000	•	•	•	-	-	optional
PROCLEAN 3R1	10.000	3	1.000	•	•	•	•	-	optional
PROCLEAN 4R1	10.000	4	1.000	•	•	•	•	•	optional
PROCLEAN 1R2	15.000	1	2.000	•	•	-	-	-	optional
PROCLEAN 2R2	15.000	2	2.000	•	•	•	-	-	optional
PROCLEAN 3R2	15.000	3	2.000	•	•	•	•	-	optional
PROCLEAN 4R2	15.000	4	2.000	•	•	•	•	•	optional
PROCLEAN 1R3	20.000	1	3.000	•	•	-	-	-	optional
PROCLEAN 2R3	20.000	2	3.000	•	•	•	-	-	optional
PROCLEAN 3R3	20.000	3	3.000	•	•	•	•	-	optional
PROCLEAN 4R3	20.000	4	3.000	•	•	•	•	•	optional
PROCLEAN 3R4	30.000	3	4.000	•	•	•	•	-	optional



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All data are indicative.